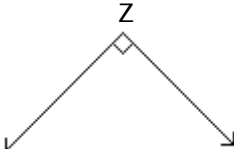
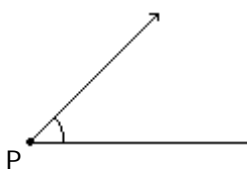



These practice tests are solely intended to complement your studying.
There is no guarantee, implied or otherwise, that these alone will enable you to pass.

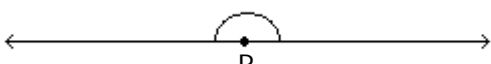
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) _____ angle has a measure of 90° .
 A) An obtuse B) A right
 C) An acute D) A straight
- 2) _____ angle measures between 0° and 90° .
 A) An obtuse B) An acute
 C) A right D) A straight
- 3) The measure of an obtuse angle is _____.
 A) between 90° and 180°
 B) 180°
 C) between 0° and 90°
 D) 90°

- 4)
- 
- A) Straight B) Obtuse
 C) Acute D) Right

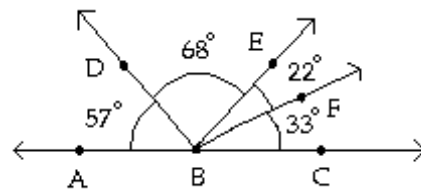
- 5)
- 
- A) Obtuse B) Right
 C) Straight D) Acute

- 6)
- 
- A) Straight B) Obtuse
 C) Right D) Acute

- 7)
- 
- A) Straight B) Obtuse
 C) Right D) Acute

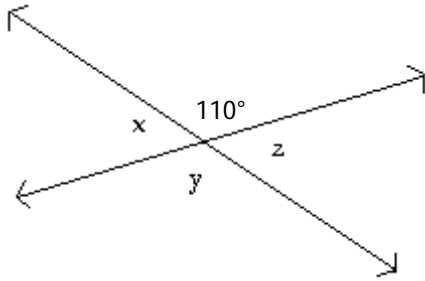
- 8) Find the supplement of 15° .
 A) 75° B) 345°
 C) 165° D) 255°
- 9) Find the supplement of 117° .
 A) 153° B) 63°
 C) 243° D) not possible
- 10) Find the complement of 55° .
 A) 305° B) 215°
 C) 125° D) 35°

- 11) Identify the pair or pairs of complementary angles.



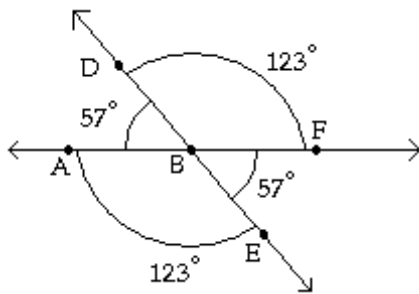
- A) $\angle ABD$ and $\angle FBC$
 B) $\angle ABD$ and $\angle EBF$; $\angle DBE$ and $\angle FBC$
 C) $\angle DBE$ and $\angle EBF$
 D) $\angle ABD$ and $\angle FBC$; $\angle DBE$ and $\angle EBF$

12) Find the measure of $\angle z$.



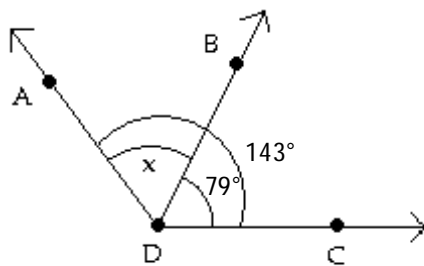
- A) 80° B) 200°
C) 20° D) 70°

13) Identify the pair or pairs of supplementary angles.



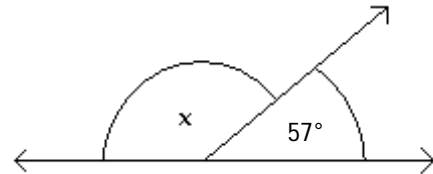
- A) $\angle ABD$ and $\angle EBF$
B) $\angle ABE$ and $\angle ABD$; $\angle ABE$ and $\angle EBF$;
 $\angle DBF$ and $\angle EBF$; $\angle DBF$ and $\angle ABD$
C) There are none.
D) $\angle ABE$ and $\angle DBF$

14) Find the measure of $\angle x$.



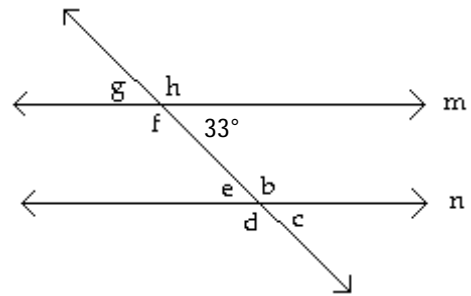
- A) 53° B) 222°
C) 37° D) 64°

15) Find the measure of $\angle x$.



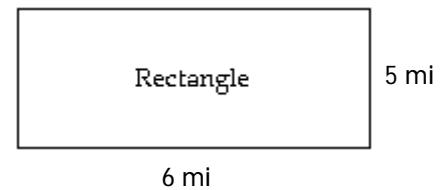
- A) 33° B) 43°
C) 123° D) 147°

16) Find the measure of $\angle h$. ($m \parallel n$)



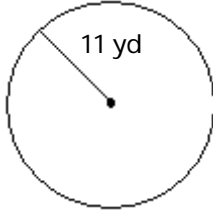
- A) 157° B) 57°
C) 147° D) 123°

17) Find the perimeter and area of the rectangle.



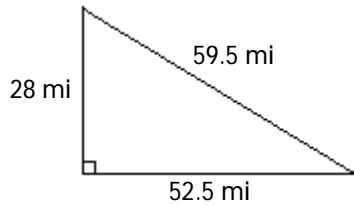
- A) perimeter = 22 mi
 area = 60 sq mi
B) perimeter = 2 mi
 area = 30 sq mi
C) perimeter = 11 mi
 area = 60 sq mi
D) perimeter = 22 mi
 area = 30 sq mi

- 18) Give the exact value and an approximation using $\pi \approx 3.14$.



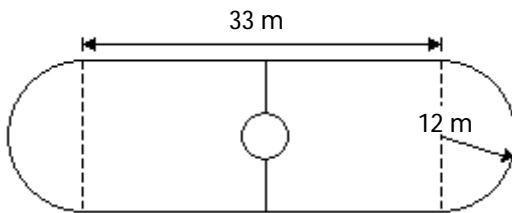
- A) circumference = $11\pi \approx 69.08$ yd
 area = $121\pi \approx 379.94$ sq yd
 B) circumference = $22\pi \approx 69.08$ yd
 area = $121\pi \approx 379.94$ sq yd
 C) circumference = $11\pi \approx 69.08$ yd
 area = $484\pi \approx 1519.76$ sq yd
 D) circumference = $22\pi \approx 69.08$ yd
 area = $484\pi \approx 138.16$ sq yd

- 19) Find the area.



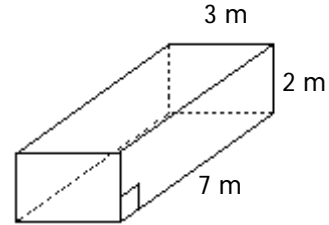
- A) 140 sq mi
 B) 735 sq mi
 C) 833 sq mi
 D) 1470 sq mi

- 20) Find the area of the skating rink. If necessary, use $\pi \approx 3.14$ and round your result to the nearest tenth.



- A) 1696.3 sq m
 B) 1300.3 sq m
 C) 1244.2 sq m
 D) 848.2 sq m

- 21) Find the volume of the solid. Use $\frac{22}{7}$ for π .



- A) 42 cu m
 B) 6 cu m
 C) 126 cu m
 D) 12 cu m

Answer Key

Testname: TSI GEOMETRY

- 1) B
- 2) B
- 3) A
- 4) D
- 5) D
- 6) B
- 7) A
- 8) C
- 9) B
- 10) D
- 11) D
- 12) D
- 13) B
- 14) D
- 15) C
- 16) C
- 17) D
- 18) B
- 19) B
- 20) C
- 21) A